Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/07/2020 11:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125842	0	3.21	125975	3.24
Blue	F	SSC	125000	124659	-1	1.90	125450	1.94
Blue	E	FITC	15892	15472	-3	3.02	335	21.27
Blue	D	PE	29999	29760	-1	2.18	648	15.36
Blue	B	PerCP-Cy5-5	43732	43793	0	3.89	1172	21.05
Blue	A	PE-Cy7	30845	31102	0	6.40	590	42.94
Red	C	APC	46112	45469	-2	2.41	1614	11.94
Red	A	APC-Cy7	30458	29770	-3	2.48	787	11.46
Violet	B	V450	7918	7594	-5	4.63	427	12.97
Violet	A	V500	32171	31872	-1	4.47	742	10.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17356	18.83	631	10	N/A	N/A	Pass
Blue	F	SSC	56840	1.46	568	9	N/A	N/A	Pass
Blue	E	FITC	61	67.07	548	5	0.0176	131	Pass
Blue	D	PE	135	51.01	555	7	0.1445	248	Pass
Blue	B	PerCP-Cy5-5	216	51.09	663	7	0.0085	45	Pass
Blue	A	PE-Cy7	106	109.67	707	9	0.0100	20	Pass
Red	C	APC	381	25.48	586	2	0.0256	205	Pass
Red	A	APC-Cy7	173	28.63	558	2	0.0064	1509	Pass
Violet	B	V450	64	60.23	462	4	0.0588	2386	Pass
Violet	A	V500	111	33.70	479	5	0.0211	633	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.81	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	15.91	13.60 - 20.40	N/A	N/A	29.36	29.76	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10160

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments